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SUBJ EVALUATION OF MISSION GT 173-65

1. CAMERA I-1 WAS USED IN MISSION GT 173-65 FLOWN ON 7 JULY 1965. PROCESSING WAS ACCOMPLISHED BY EASTMAN KODAK.

2. ORIGINAL NEGATIVE:

A. THE EXPOSURE WAS ADEQUATE AND THE RESOLUTION IS POOR TO GOOD.

B. FORWARD CAMERA NUMBER UNKNOWN: TRANSVERSE BANDING IS PRESENT ON THE TAKE-UP END OF EACH FRAME. AN IRREGULAR FOG PATTERN IS APPARENT THROUGH FRAMES 1 THROUGH 9. THE IMAGE QUALITY ON THIS MISSION DOES NOT APPEAR TO BE AS GOOD AS ON PREVIOUS MISSIONS. THE FIRST 100 FRAMES APPEAR TO BE OUT-OF-FOCUS. IN THE FOLLOWING FRAMES THE IMAGERY GRADUALLY IMPROVES BUT BECAUSE OF THE TYPE OF TERRAIN IT IS DIFFICULT TO SEE WHERE THE IMAGERY APPEARS SHARPEST. THE GROSS FOG SEEMS HIGHER THAN USUAL FOR APPROXIMATELY THE FIRST 250 FRAMES AFTER WHICH IT GRADUALLY RETURNS TO NORMAL. THE BINARY BLOCK WAS SMEARED INTERMITTENTLY THROUGHOUT THE MISSION. IN ADDITION THE RECORD APPEARED IN OTHER THAN ITS NORMAL LOCATION ALONG THE LENGTH OF EACH FRAME. THERE IS A MANUFACTURING SPLICE LOCATED IN FRAME 275. HEAT SPLICES

6 AUG 1965

COPIE	RECEIVED	7
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TOP SECRET

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ARE PRESENT BETWEEN FRAMES 563/564 AND 1162/1163. THE BEST
IMAGERY APPEARS TO HAVE A GROUND RESOLUTION

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C. AFT CAMERA (I-1): THE FIRST 12 AND LAST 7 FRAMES OF THE MISSION CONTAIN FOGGED AREAS POSSIBLY ASSOCIATED WITH LOADING AND UNLOADING PROCEDURES. SLIGHT EDGE FOG IS PRESENT INTERMITTENTLY ALONG BOTH EDGES OF THE FILM THROUGHOUT THE MISSION. THE IMAGERY APPEARS TO BE OUT-OF-FOCUS AT THE BEGINNING OF THE MISSION. IT IS SHARPEST AT THE CAMERA NUMBER EDGE OF THE FORMAT AND BECOMES GRADUALLY WORSE TOWARD THE DIGITAL COUNTER EDGE. IMAGERY NEAR THE DIGITAL COUNTER EDGE APPEARS TO BE DOUBLE IMAGED. THE SHARPEST PORTION OF EACH FRAME WAS FOUND TO BE A NARROW BAND IN THE "BONUS" AREA OF THE FORMAT AT THE SUPPLY END. THE QUALITY OF THE IMAGERY GRADUALLY IMPROVES AND BY FRAME 150 IT IS CONSIDERED TO BE GOOD. THE QUALITY IS CONSISTENT THEREAFTER AND ABOUT

ON THE GROUND CAN BE RESOLVED. THE GROSS FOG APPEARS

25X1

TO BE HIGH THROUGHOUT THE MISSION. THE CAMERA NUMBER AND ADJACENT BINARY REFERENCE MARK ARE INFREQUENTLY PRESENT AND ARE BLOOMED WHEN THEY DO APPEAR. TRANSVERSE BANDING IS PRESENT THROUGHOUT THE FORMAT AND IS ESPECIALLY PRONOUNCED AT THE TAKE-UP END OF EACH FRAME. A MANUFACTURER'S SPLICE IS LOCATED IN FRAME 1327 AND A HEAT SPLICE IS PRESENT BETWEEN FRAMES 1233/1234. STREAKS OF MINUS DENSITY AND STREAKS OF PLUS DENSITY ARE RANDOMLY PRESENT THROUGHOUT THE MISSION. THESE ARE USUALLY ORIENTED PARALLEL OR NEARLY PARALLEL TO THE MAJOR AXIS OF THE FILM.

D. BOTH CAMERAS: THE LAST TITLED FRAME ON BOTH CAMERAS IS 1622.

E. THERE WERE NO MAJOR PROCESSING ANOMALIES IN THIS MISSION.

F. CLOUDS DEGRADE OR OBSCURE APPROXIMATELY 25 PERCENT

OF THIS MISSION.

T O P S E C R E T

-END OF MESSAGE-

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